



Installation and operating instructions

AFO 01.Y/AFO 01 Y.CL – automatic drinking fountain, AISI 304/316

BASIC TECHNICAL DATA

Range:	regulated automatically
Supply voltage:	12 V, 50 Hz
Input:	6 VA
Adjustable decay time:	0 – 4 s (set to 1 s by manufacturer)
Water pressure:	0.1 – 1.0 MPa
Recommended voltage source:	ZAC 1/20 (max. 3 x AFO 01Y) ZAC 1/50 (max. 8 x AFO 01Y)
Weblink:	AFO 01.Y/AFO 01 Y.CL

Functions

- Upon approaching the (sensory zone in front of the sensor), the automatic control electronics are activated, which is indicated by the flashing light on the sensing head, resulting in immediate opening of the solenoid valve. When the head moves away, the light stops flashing, the solenoid valve is closed and the water stops running after a pre-set delay. If the sensor is permanently shielded, the valve shuts the water after 30

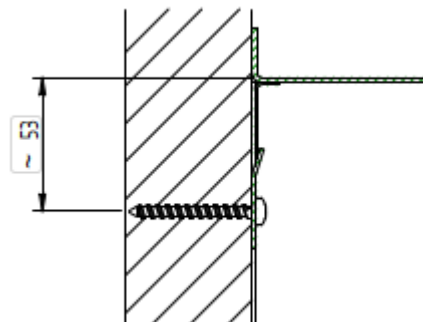
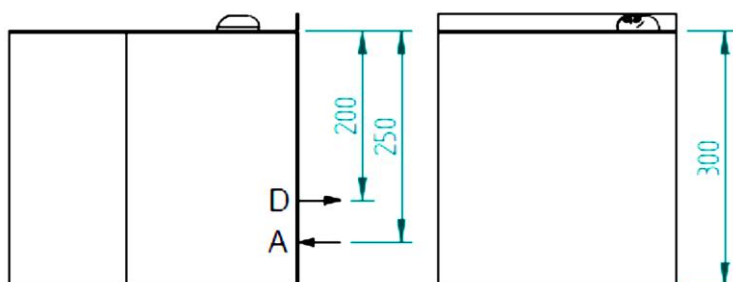
Installation

Building readiness for assembly

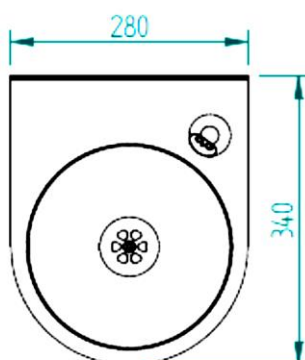
1. Installed drinking water supply line (with filter for removal of mechanical dirt)
2. Preparation of the drainage.
3. The wall on which the drinking fountain shall be installed must be oriented in such a manner that direct sunlight shall not hit the photo-diode receptacle – it would be destroyed.

Assembly

1. Fix the installation bar with screws to the required point and hang the drinking fountain on it. Choose the height according to the assumed usage (nursery, basketball hall...)
2. Fix the lower section of the drinking fountain – fix it with screws to the wall.
3. Screw the angle valve with filter to the water inlet. Turn the valve outlet so as to prevent kinking of the water supply hose.
4. Properly flush the dirt from the piping and clean the filter of the angle valve.
5. Connect the hose to the angle valve.
6. Connect the electronic unit to the ZAC source. After activation, the light on the sensing head flashes 5 times, which is followed by automatic adjustment of sensitivity that is indicated by rapid flashing of the light – max. 10 s.
When setting, the space in front of the sensor must be free – the sensor must not be shielded!
If there is an obstacle in front of the head during the setting process, a short range shall be set after its removal (the range is automatically set at this obstacle).
It is necessary to turn the power supply on and off – the sensitivity is automatically adjusted.
7. Use the angle valve to adjust the flow rate.



Scheme of hanging



Warning

- The automatic drinking fountain can only be connected to the ZAC power source, otherwise the manufacturer does not provide a guarantee for reliable operation and does not assume liability for potential damage caused by another power source.
- The electrical connection of the device may be done only by a person with the corresponding qualification and professional competence.
- Before activation, it is necessary to perform an initial inspection of the electrical equipment.
- For the duration of operation, the operator is obliged to do regular inspection of the electrical device.

Note

- The range is adjusted automatically; the decay time or opening time can be adjusted using a remote control device (not included, but can be ordered and used for all AZP sensory products).

Defects and troubleshooting

Defect	Likely cause	Remedy
Not flashing upon activation	Power supply not connected Connection to 230 V	Connect the power supply Destroyed beyond repair
Only little water is running	Clogged filter	Clean the corner valve filter
Water is not running	Dirty sensor lens	Clean the sensor



The electronics are in order, but water is not running	The equipment is connected to a switched power source (e.g. for the halogen lights) – the solenoid valves do not work at higher frequencies	Use the specified power source
	Dirt in the solenoid valve	Clean the valve
The water keeps running – the electronic system works correctly	Dirt in the solenoid valve	Clean the valve
	Valve reversed	Turn the valve
Short range	Obstacle in front of the sensing head – the electronics are picking this obstacle	Remove this obstacle and reset the electronics

Maintenance and cleaning

- AFO 01. Y was made from the stainless steel of quality corresponding with ČSN 17 240 (AISI 304), (AFO 01. Y. CL - ČSN 17 346 - AISI 316) standard and, therefore, it must not be operated in chemically-aggressive environment.
- Preparations containing chlorine must not be used for its cleaning!!**
- Cleaning agents by WÜRTH are recommended:
 - Metal renewal agent - Order No. 893 121 1
 - Stainless steel spray treatment - Order No. 0893 121 – K.
- If corrosion has already occurred, it can be removed with a cleaner INNOSOFT B 570 from the company Emergo.

Cleaning of the valve

- Remove the three screws holding the coil. Remove the coil, carefully remove a plastic cap of the core (do not lose the spring). Remove the diaphragm, clean the area below. Check the throughput of both holes in the plastic centre of the diaphragm and assemble the valve – fix with screws in such a manner that a new thread is not cut. Observe the water running direction during reassembly – it is marked by an arrow on the valve.